

# Port of Long Beach Capital Projects Update

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Port of Long Beach

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An aerial photograph of the Port of Long Beach, showing a large container yard filled with colorful shipping containers, several large gantry cranes, and a large blue and red container ship docked at a pier. The scene is set against a clear blue sky and a body of water in the background.

# PORT OF LONG BEACH

Leading Gateway for U.S.-Asia Trade





# MAJOR ECONOMIC ENGINE


\$Billions in Trade, Thousands of Jobs



A photograph of a port at dusk. In the foreground, a dolphin is swimming in the blue water. In the background, a large port facility is visible, featuring several red and white gantry cranes and stacks of colorful shipping containers. The sky is a deep blue, and the port lights are visible.

# ENVIRONMENTAL AND OPERATIONAL LEADERSHIP



An aerial photograph showing the extensive port complex of Los Angeles and Long Beach. The image captures the intricate network of piers, docks, and shipping lanes within the harbor. The surrounding urban areas of both cities are visible, with dense residential and commercial buildings. The water is a deep blue-green, and the sky is clear. The text 'PORT OF LOS ANGELES' is overlaid on the left side of the image, and 'PORT OF LONG BEACH' is overlaid on the right side. A large, semi-transparent dark blue banner at the bottom contains the main title and a note about the data source. In the bottom right corner, there is a compass rose and the official logos of both port authorities.

PORT OF LOS ANGELES

PORT OF LONG BEACH

# WORLD'S 9<sup>TH</sup> BUSIEST PORT COMPLEX

\*BASED ON 2017 CONTAINER CARGO VOLUMES



SHANGHAI



**21**  
DAYS

LONG BEACH

CHICAGO

**MOST DIRECT**  
BETWEEN ASIA AND MOST OF  
AMERICA

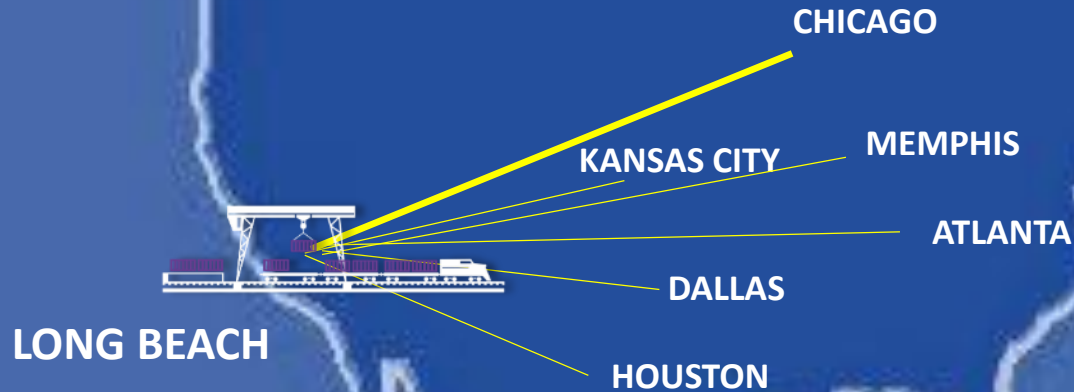
**32**  
DAYS

PANAMA CANAL

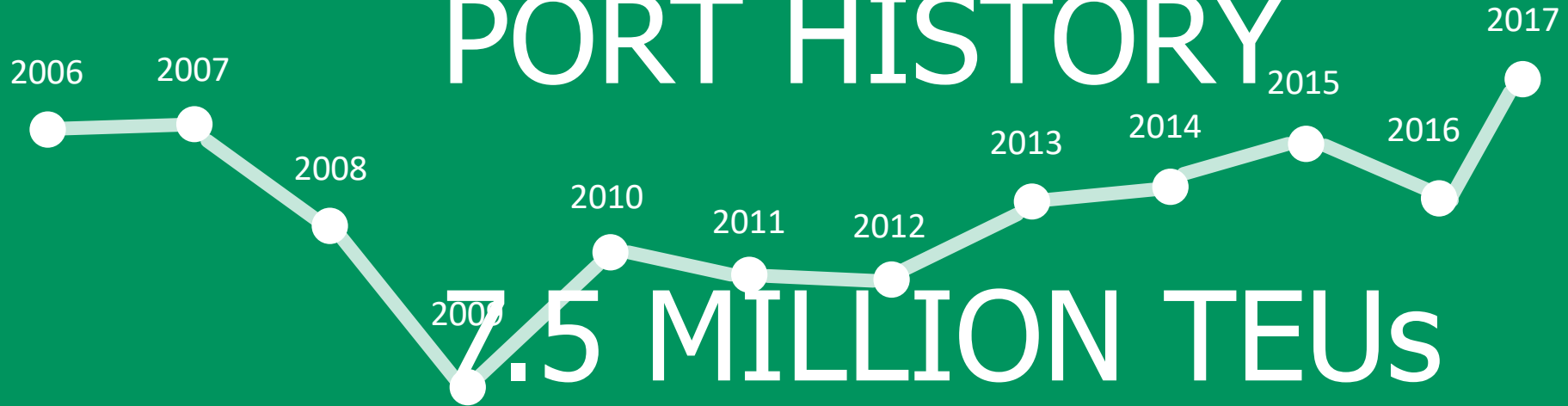


# **MOST CONNECTED**

## **ACCESS TO MAJOR U.S. RAIL HUBS**



# HIGHEST IN PORT HISTORY





# \$4 BILLION CAPITAL PROGRAM

# LONG BEACH CONTAINER TERMINAL

State-of-the-Art, Greenest

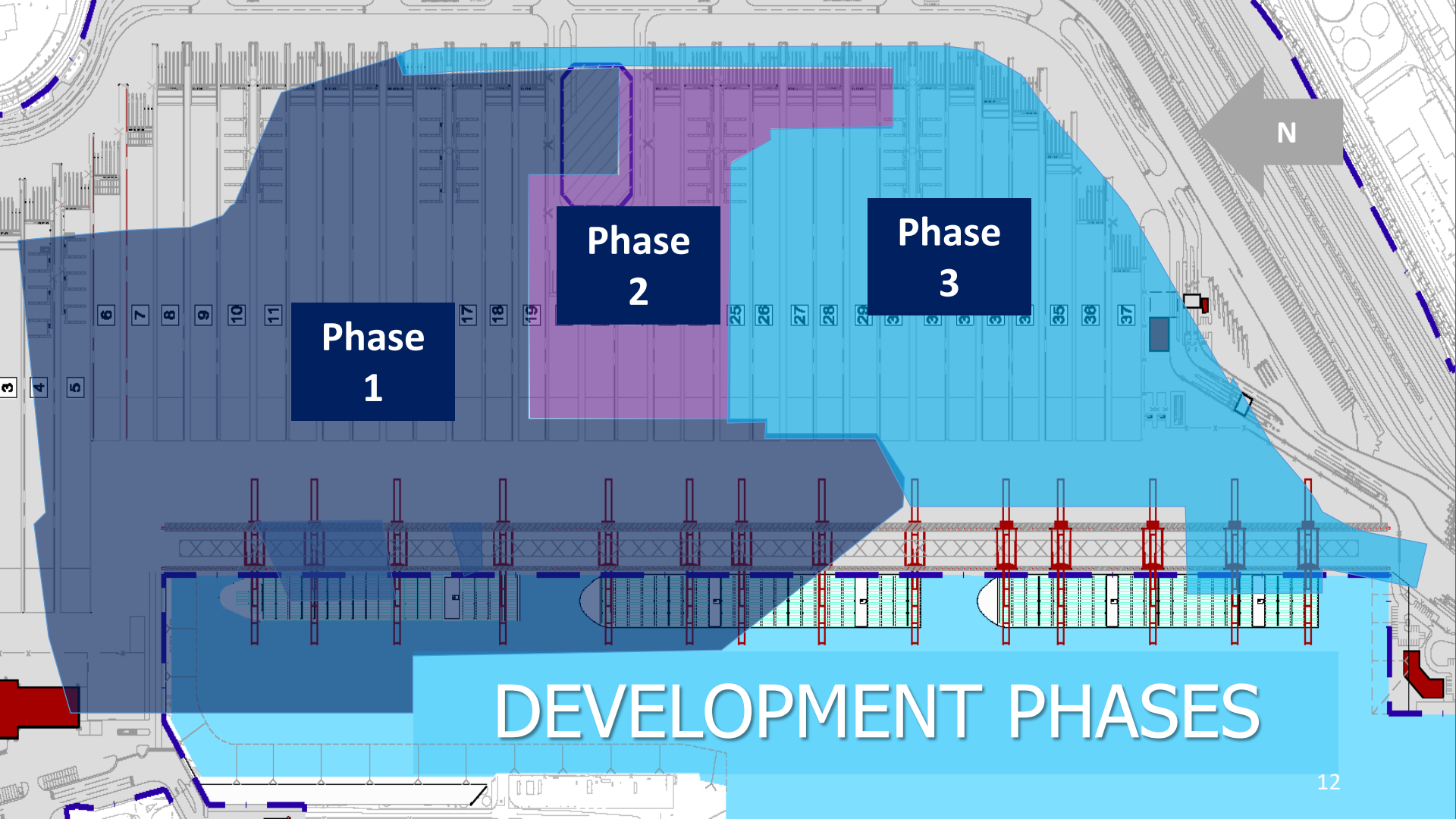




An aerial photograph of a port area at dusk. In the foreground, a large red container ship is docked at a pier, with numerous colorful shipping containers stacked on its deck. Several red gantry cranes are positioned around the ship. To the left of the ship, a large, irregularly shaped area of land is under construction, with a white dashed line and a white arrow pointing to it. In the background, a city skyline is visible across a body of water, with mountains in the distance under a pink and orange sky.

= 10 FOOTBALL  
FIELDS!

FINAL PHASE –  
Under construction



**Phase  
1**

**Phase  
2**

**Phase  
3**

**DEVELOPMENT PHASES**





# BIG SHIP READY CRANES

Electric, Partially Automated



# ELECTRIC, DRIVERLESS TRACTORS







# ELECTRIC, AUTOMATED STACKING CRANES



# FAST TRUCK TURN TIMES







# ON-DOCK RAIL YARD





# ENVIRONMENTALLY FRIENDLY

Water, Energy Savings, LEED-Certified Buildings



An aerial photograph of a massive bridge construction project in a harbor. Two tall, white concrete piers stand prominently in the water, with yellow tower cranes positioned on top of them. A section of the bridge's steel truss structure is being lowered into place between the piers. The surrounding area is a busy port with numerous shipping containers, other cranes, and industrial buildings. Several large cargo ships are docked at the piers, and the harbor is filled with smaller boats. The sky is clear and blue.

# BRIDGE TO EVERYWHERE

\$1.5 billion Project





# Tower Completion





# Main Span Construction



# PORT HQ AT CIVIC CENTER

Coming in 2019

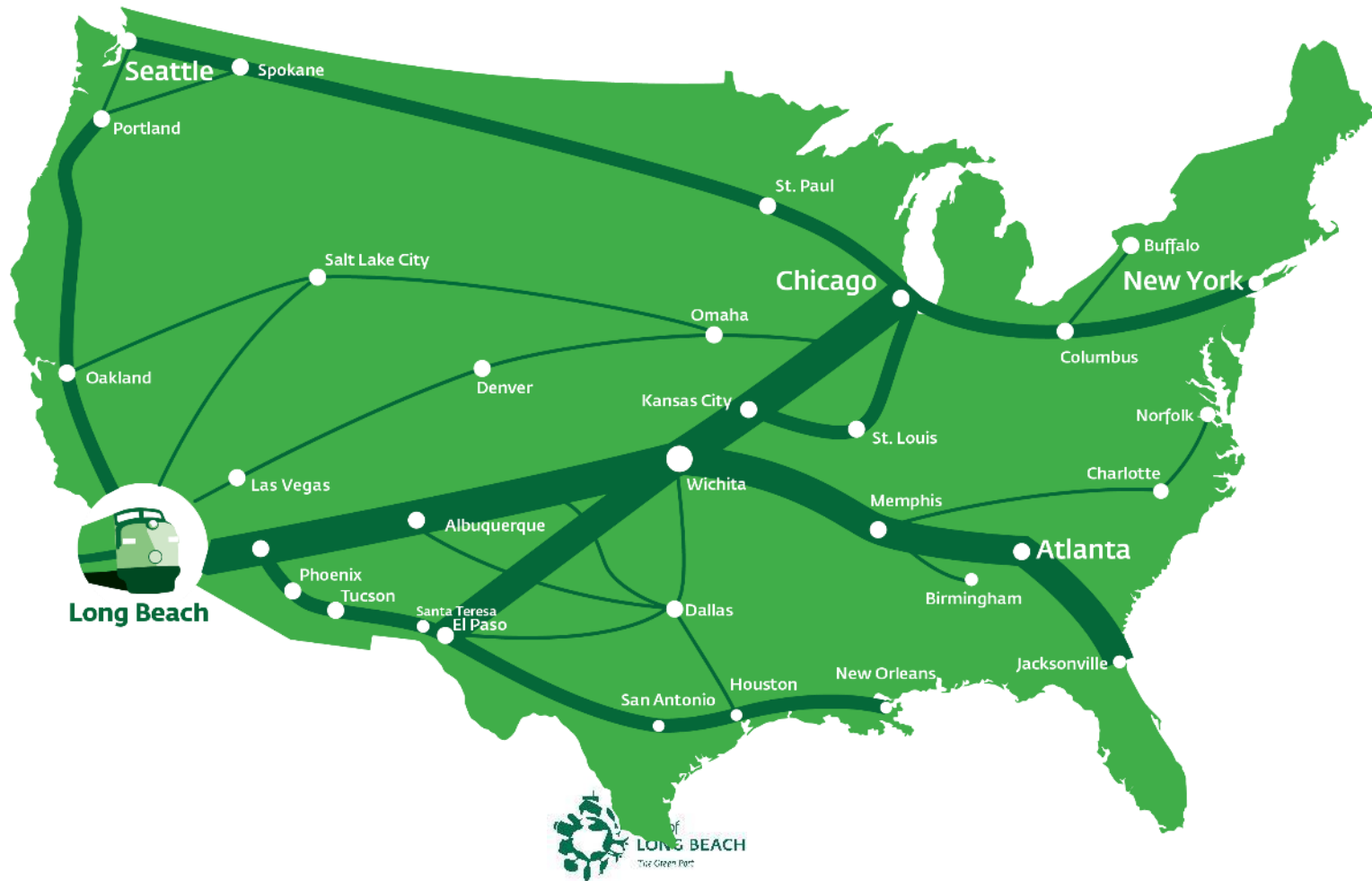




An aerial photograph of a large port and rail yard at dusk. In the foreground, a long train yard is filled with numerous colorful shipping containers stacked in neat rows. To the right, a large blue container ship is docked at a pier, with its name 'HAGREAVES LINE' visible. The water reflects the lights from the port and the city in the background. The sky is a deep blue, and the city lights are visible in the distance.

# \$1 BILLION

## Investment in Rail Improvements







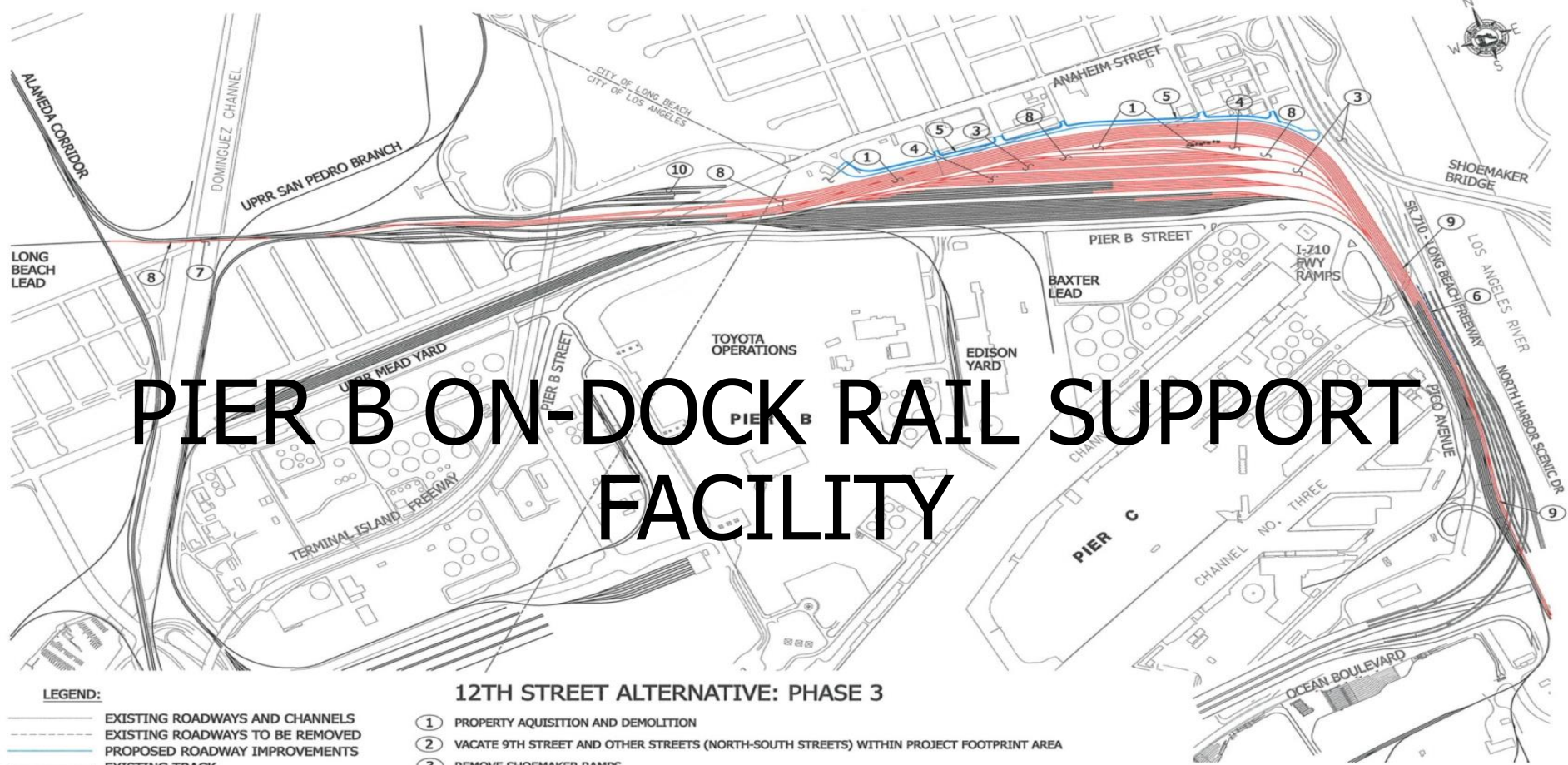
# PIER B ON-DOCK RAIL SUPPORT FACILITY



# PIER B RAIL PROJECT







# PIER B ON-DOCK RAIL SUPPORT FACILITY

## LEGEND:

- EXISTING ROADWAYS AND CHANNELS
- EXISTING ROADWAYS TO BE REMOVED
- PROPOSED ROADWAY IMPROVEMENTS
- EXISTING TRACK
- PROPOSED TRACK

## 12TH STREET ALTERNATIVE: PHASE 3

- |   |   |   |  |
|---|---|---|--|
| ① | PROPERTY ACQUISITION AND DEMOLITION   | ⑧ | CONSTRUCT NEW TRACKS NORTH AND WEST OF 9TH STREET YARD AREA                          |
| ② | VACATE 9TH STREET AND OTHER STREETS (NORTH-SOUTH STREETS) WITHIN PROJECT FOOTPRINT AREA | ⑨ | REMOVE/RE-CONSTRUCT EXISTING TRACKS AND CONSTRUCT ADDITIONAL TRACKS IN PICO CORRIDOR |
| ③ | REMOVE SHOEMAKER RAMP   | ⑩ | CONSTRUCT WEST YARD LOCOMOTIVE LAYOVER/FUELING FACILITY                              |
| ④ | REMOVE AND RELOCATE UTILITIES IN YARD EXPANSION AREA                                    |   |  |
| ⑤ | CONSTRUCT NORTH YARD PERIMETER ROAD   |   |  |
| ⑥ | CONSTRUCT TIE-BACK RETAINING WALL ALONG PICO/I-710                                      |   |  |
| ⑦ | WIDEN DOMINGUEZ CHANNEL BRIDGE  |   |  |

ASSUMPTION:  
GERALD DESMOND BRIDGE CONSTRUCTION  
IS COMPLETED PRIOR TO PHASE 3 WORK  
ON PICO AVENUE



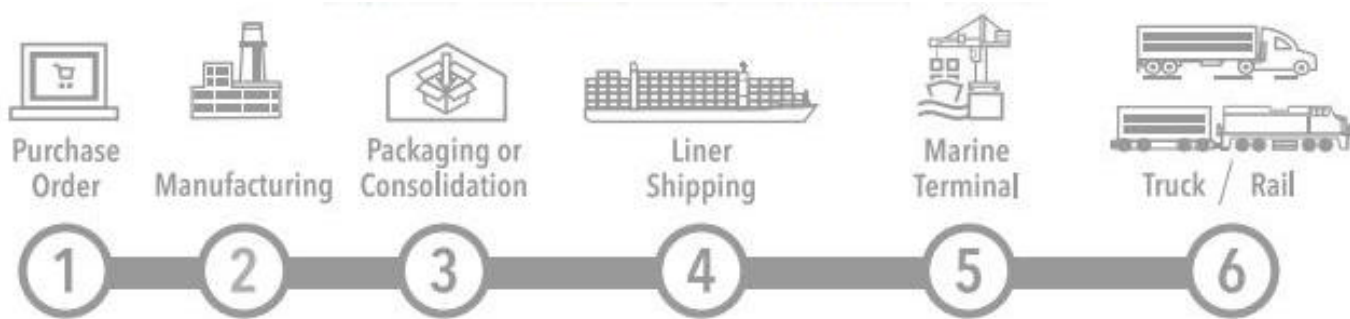
An aerial photograph of a multi-lane highway. Numerous semi-trucks and trailers are visible, many of which are stopped or moving very slowly, indicating a traffic jam. The trucks are of various colors, including white, orange, red, and blue. The road surface is grey asphalt with white lane markings. The text "CARGO CAN'T SIT ON OUR DOCKS FOR DAYS; AND TRUCKERS CAN'T WAIT IN OUR TERMINALS FOR HOURS" is overlaid in the center of the image. The word "DAYS" is highlighted in yellow, and the word "HOURS" is also highlighted in yellow. The text is in a bold, white, sans-serif font.

CARGO CAN'T SIT ON OUR  
DOCKS FOR **DAYS**; AND  
TRUCKERS CAN'T WAIT IN OUR  
TERMINALS FOR **HOURS**




# GE TRANSPORTATION

Delivering cloud-based cargo data insights





A large container ship is sailing on a deep blue ocean, leaving a white wake. The ship is loaded with colorful containers (red, blue, green, and white). In the background, a city skyline with many buildings and cranes is visible across the water. The sky is blue with some light clouds.

PREDICTABLE  
RELIABLE  
EFFICIENT  
FAST



# PORT MASTER PLAN UPDATE

## FRAMEWORK FOR FUTURE DEVELOPMENT

- AUTOMOTIVE
- BREAK BULK
- CONTAINER
- DRY BULK
- LIQUID BULK
- MISCELLANEOUS
- OIL
- OTHER GOVERNMENT LAND
- POLB/POLA
- PRIVATE
- UNALLOCATED POLB PROPERTY
- VISITOR/SERVICING

Aerial Photo: 2012



0 0.5 1.0 Miles

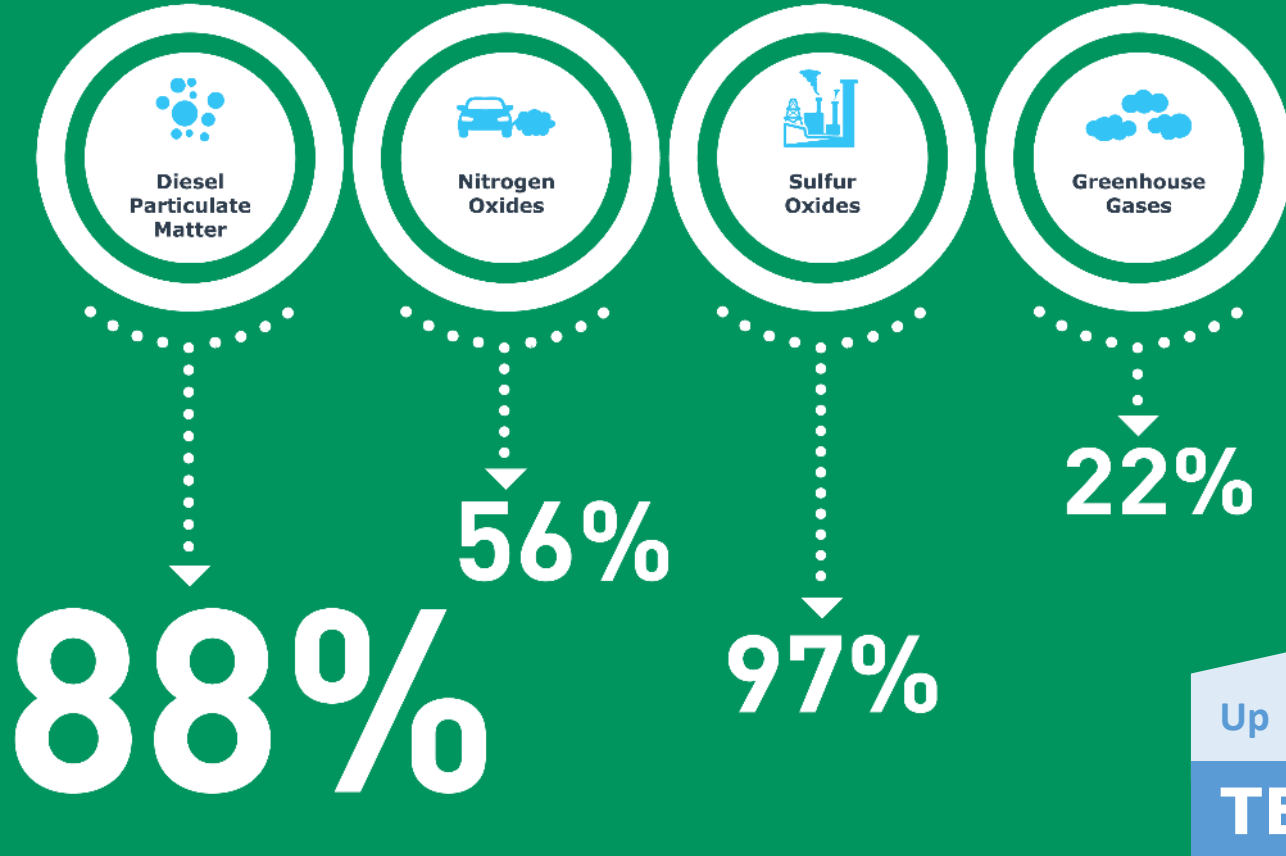


# CLEAN AIR ACTION PLAN





# REDUCING PORT-RELATED AIR POLLUTANTS



\*2016 EMISSIONS INVENTORY COMPARED TO 2005 LEVELS



Greenhouse  
Gases  
Goal by  
**2030**

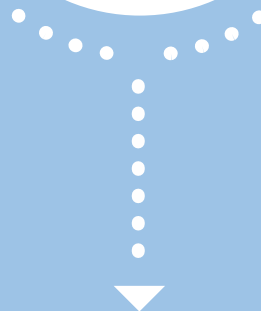


REDUCE

**40%**



Greenhouse  
Gases  
Goal by  
**2050**



REDUCE

**80%**



The background of the image is a semi-transparent photograph of a busy port or shipping yard. In the foreground and middle ground, there are several large, white and yellow cargo-handling vehicles, likely reach stackers or similar port equipment, with "TAYLOR" branding visible on their sides. These vehicles are positioned among tall stacks of colorful shipping containers in various colors like yellow, red, blue, and white. The containers have various logos and markings, including "tex", "C4I", "m SC", and "TAYLOR". The overall scene depicts a modern, industrial environment focused on cargo handling.

# 2030

CARGO-HANDLING EQUIPMENT

# ZERO EMISSIONS

A background image showing two semi-trucks driving on a multi-lane highway under a clear blue sky. The truck in the foreground is a blue Peterbilt, and the one behind it is a red Kenworth. The image is slightly faded to allow the text to be prominent.

2035

ALL PORT TRUCKS

ZERO EMISSIONS



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